DEFAULT U-FACTOR AND SHGC LABEL CERTIFICATE FORM										
PROJECT INFORMATION										
PROJECT NAME:					DATE:					
PROJECT ADDRESS:										
			1	1 101100		·				
CEC DEF U-FACTOR A LABEL CER (Use only for Sit Fenestration Pr	ND SI TIFICA e-Asser	HGC ATE nbled	Ener	U-factors and SHGC are derived from the California Energy Commission Fenestration Default U-factors and SHGC Default Table based on data reported below. U-factor = SHGC =						
Method 1 in this Default Certific assembled vertical glazing instabuildings.			requ Effic	Fenestration Procirements of Section iency Standards fings.	on 116(a) 1	, 2001 Califor	nia Energy			
PRODUCT LINE INFORMATIO	N (Complete	a separate Def	fault Labe	l Certificate for eacl	n fenestration	n product line i	n the project)			
Total Number of units for this pro	oduct line:		Total	Total square footage of this product line:						
Elevation drawing page:			Fene	Fenestration (window & door) schedule page:						
Location(s) on building: (enter a orientation(s))	ppropriate		Total	Total Fenestration Area (ft²) on project:						
☐ Method 1 - DEFAULT FINONRESIDENTIAL MANUA										
Frame Type	☐ Metal		Metal Th	nermal Break (or Struc	tural Glazing)		Nonmetal			
U-factor Table 3-10 Product Type	☐ Operabl	е 🔲	Fixed	Greenhouse, Garden Windo) we	Door	☐ Skylight			
Glazing Type	☐ Single F	Pane 🔲	Double P	ane Default U-fac	ctor =		etment, insert ove gray box actor)			
SHGC Table 3-12 Product Type	☐ Operabl	е 🗖	Fixed							
SHGC Table 3-12 Glazing Tint	Clear		Tint	Default SHGC =		(Insert default va gray box next to				
U-Factor Adjustment (See Table 3-	10, Footnote 2	2)					/			
☐ Subtract 0.05 for spacers of 7	7/16 inch or v	vider								
Subtract 0.05 for products certified by the manufacturer as low-E glazing.										
Add 0.05 for products with dividers between panes if spacer is less than 7/16 inch wide.										
Add 0.05 for products with true divided lite (dividers through the panes).										
U-Factor Adjustment = (If applicable insert adjustment result in above gray box next to U-factor)										
PERSON TAKING RESPONSIE	BILITY FOR	FENESTRA	TION CC	MPLIANCE CON	ITACT PER	RSON:				
Contact Person:										
Company name and address:										
Phone:	Fax:			Signature:						

DEFAULT U-FACTOR AND	SHGC LABEL	CERTIFICATE FORM	SAMPLE
PROJECT INFORMATION	SAMPLE		
PROJECT NAME:		DATE:	
RIVER CITY OFFICE	SAMPLE	August 1, 2001	
PROJECT ADDRESS:		_	
321 North 5 th St. Sacramento, CA 95814	SAMPLE		

CEC DEFAULT U-FACTOR AND SHGC LABEL CERTIFICATE

(Use only for Site-Assembled Fenestration Product Lines)

Method 1 in this Default Certificate may be used for siteassembled vertical glazing installed in all non-residential buildings. U-factors and SHGC are derived from the California Energy Commission Fenestration Default U-factors and SHGC Default Table based on data reported below.

> U-factor = 0.71 SHGC = 0.73

This Fenestration Product Line meets the air infiltration requirements of Section 116(a) 1, 2001 California Energy Efficiency Standards for Residential and Nonresidential Buildings.

PRODUCT LINE INFORMATION (Complete a separate Default Label Certificate for each fenestration product line in the project)								
Total Number of units for this product line:	2	Total square footage of this product line:	480					
Elevation drawing page:	E-3	Fenestration (window & door) schedule page:	E-4, E-6					
Location(s) on building: (enter appropriate orientation(s))	South, East, West and North	Total Fenestration Area (ft ²) on project:	960					

■ Method 1 - DEFAULT FENESTRATION U-FACTOR AND SHGC FROM TABLES 3-10 AND 3-12 OF THE NONRESIDENTIAL MANUAL FOR COMPLIANCE WITH THE 2001 ENERGY EFFICIENCY STANDARDS

Frame Type	×	Metal		☐ Metal Thermal Break (or Structural Glazing)								
U-factor Table 3-10 Product Type		Operable	×	Fixed		Greenhouse, Garden Windo)W		Door	r		Nonmetal Skylight
Glazing Type		Single Pane	×	Double	Pane	ane Default U-factor = 0.7		0.72	valu	(If no adjustment, insert value in above gray box next to U-factor)		
SHGC Table 3-12 Product Type		Operable	×	Fixed								
SHGC Table 3-12 Glazing Tint	×	Clear		Tint	Defa	ult SHGC =	0.73	,		efault valu next to S		
U-Factor Adjustment (See Table 3-	10, F	ootnote 2)										
X Subtract 0.05 for spacers of	X Subtract 0.05 for spacers of 7/16 inch or wider											
X Subtract 0.05 for products ce	ertifie	d by the manu	ıfacturer a	s low-E	glazin	g.						
Add 0.05 for products with di	vider	s between par	nes if spa	cer is le	ss thar	n 7/16 inch wide	е.					
Add 0.05 for products with tru	ue div	vided lite (divid	ders throu	gh the	panes).							
U-Factor Adjustment = 0.72 - 0.09	5 – 0.	05 = 0.71	(If applica	able inse	ert adjus	tment result in al	oove gra	ay box n	ext to U	-factor)		
PERSON TAKING RESPONSIBILITY FOR FENESTRATION COMPLIANCE CONTACT PERSON:												
Contact Person: Joe Glassguy	•		SAI	MPLE								
Company name and address: 453 Venice Way SAMPLE												
Phone: 916-555-555	Fa	х.			Siar	nature: <i>Toe Cl</i>	lassai	ш				

ALTERNATIVE DEFAULT U-FACTOR and SHGC LABEL CERTIFICATE													
PROJECT INF		ATION											
PROJECT NAME	:								DATE:				
PROJECT ADDRI	ESS:												
CEC ALTERNATIVE DEFAULT						U-factors and SHGC are derived from the California Energy Commission Fenestration Alternative Default U-factors and SHGC Equations based on data reported below.							
U-FA								U-fa	Ctc)r =	=		
LAB	EL (ER	TIF	CA	ΓΕ			SF	lG(C =	=		
(Use o	_							OI.	10	-	_		_
Method 2 Alternative Default Certificate shall not be used for site-assembled vertical glazing installed in buildings with 100,000 square feet or more of conditioned floor area and 10,000 square feet or more of vertical glazing.							This Fenestration Product Line meets the air infiltration requirements of Section 116(a) 1, 2001 California Energy Efficiency Standards for Residential and Nonresidential Buildings.						
PRODUCT LINE	INFOR	MATIO	N (Cor	nplete a	separate Defau	lt Label C	er	tificate for ead	ch fenes	stration	produc	t line in	the project)
Total Number of	units fo	r this pr	oduct	ine:		Total square footage of this product line:							
Elevation drawing page:								ation (window				page:	
Location(s) on bu (Enter appropriat						Total Fenestration Area (ft²) on project:							
☐ Method 2	- DEF	AULT F	ENES		ON U-FACTOR	R AND S	Н	GC FROM A	PPEN	DIX B,	TABL	_E B-1	4 AND
Product Type	☐ GI	azed Wal	l System	ns [Skylight with	Curb		☐ Skyli	ght witho	ut Curb			
Frame Type		uminum		Aluminum Thermal F		Vood/Vinyl			ced Viny um Clad		☐ s	Structural	Glazing
Glazing Type, Glazing Thickness		ngle ½"		Single 1/8"	Sin	gle ¼ "	ماد	☐ Double-		Triple			adruple
Coating Emissivity	GI	ass 0.0		Acrylic/po	0.10 C	ylic/polyca 0.20	IID	Glass 0.40)	Glazin	<u>9</u> 0.60	Gla	zing
Coated Surfaces		2 0.0			2, 3, 4, or 5		and		,		0.00		
Glazing Spacing			" Airspa			Airspace							
Gas Fill between Pa	nes	☐ Air			Argon	☐ Kryı	oto	n					
CEC ALTERNATIV	VE DEF	AULT FE	NESTI				Fr	om Assembly Unsert value in ab					4
DEFAULT SOLAR	HEAT (GAIN CC	EFFIC	IENT			(9			,	
SHGC for Center of C	Glass	SHG	Cc =		From Manufactu	ırer's Docu	ım	entation (Insert	value "S	HGCc " i	in equat	tion belo	w)
Calculate SHGC Fenestration Equation from Appendix B, Table B-12 (Site-Assembled) SHGC _{fen} = 0.08 + (0.86 x SHGCc) =							= (Insert result value in above gray box next to SHGC)						
ATTACHED MA						- D !		T	_ T	OI- '	.		01100-
Manufacturer's d information need													SHGCC
PERSON TAKIN												11.	
Contact Person:	. 5 . 1. 2.	. 0.1011		, 51(1		50111							
Company name	and add	Ireec.											
Phone:	and add	11000.	Fax:			Q:	ior	nature:					
I HOHE.			II av.				.91	iatai C.					

ALTERNATIVE DEFAULT U-FACTOR and SHGC LABEL CERTIFICATE

PROJECT INFORMATION	SAMPLE	
PROJECT NAME:		DATE:
RIVER CITY OFFICE	SAMPLE	August 1, 2001
PROJECT ADDRESS:	SAMPLE	
3212 North 5 th St. Sacramento, CA 95814		

CEC ALTERNATIVE DEFAULT U-FACTOR AND SHGC LABEL CERTIFICATE

(Use only for Site-Assembled Fenestration Product Lines)

Method 2 Alternative Default Certificate shall not be used for site-assembled vertical glazing installed in buildings with 100,000 square feet or more of conditioned floor area and 10,000 square feet or more of vertical glazing.

U-factors and SHGC are derived from the California Energy Commission Fenestration Alternative Default U-factors and SHGC Equations based on data reported below.

U-factor = 0.66 SHGC = 0.42

This Fenestration Product Line meets the air infiltration requirements of Section 116(a) 1, 2001 California Energy Efficiency Standards for Residential and Nonresidential Buildings.

PRODUCT LINE INFORMATION (Complete a separate Default Label Certificate for each fenestration product line in the project)								
Total Number of units for this product I	ine:	2	Total square footage of this product line:	480				
Elevation drawing page:		E-3	Fenestration (window & door) schedule page:	E-4, E-6				
Location(s) on building: (Enter appropriate orientation(s))	South and N	, East, West orth	Total Fenestration Area (ft ²) on project:	960				

■ Method 2 - DEFAULT FENESTRATION U-FACTOR AND SHGC FROM APPENDIX B, TABLE B-14 AND MANUFACTURER'S DOCUMENTATION

Product Type	×						rb		Skylight with	out Curb		
Frame Type	×	Aluminum		Aluminum Thermal B		☐ Wo	od/Viny		Reinforced Vin Aluminum Clac		Stru	ctural Glazing
Glazing Type, Glazing Thickness		Single 1/8" Glass		Single 1/3" Acrylic/pol	ycarb	Single Acryli	e ¼ " c/polyc		Double- Glass	Triple Glazing		Quadruple Glazing
Coating Emissivity			.05		0.10		0.20	×	(0.40	_ 0.	60	_
Coated Surfaces	Coated Surfaces X 2 or 3 □ 2, 3, 4, or 5 □ 2 or 3 and 4 or 5											
Glazing Spacing X 1/2" Airspace X 1/2" Airspace												
Gas Fill between Panes X Air Argon Krypton												
CEC ALTERNATIVE DEFAULT FENESTRATION U-FACTOR = 0.66 From Assembly U-Factors - Appendix B, Table B-14 (Insert value in above gray box next to U-factor)												
DEFAULT SOLAR HEAT GAIN COEFFICIENT												
SHGC for Center of G	Slass	SH	GCc =	0.40	From Man	ufacture	r's Doc	umentation ((Insert value "	SHGCc " in	equation	below)
Calculate SHGC Fenestration Equation from Appendix B, Table B-12 (Site-Assembled) SHGC _{fen} = 0.08 + (0.86 x SHGCc) = 0.42 (Insert result value in above gray box next to SHGC)							to SHGC)					
ATTACHED MAI												
Manufacturer's documentation must be attached showing the Product Type, Frame Type, Glazing Type, and SHGCc												
information needed to determine the Default U-factor and SHGC from the Applicable Table or equation.												
PERSON TAKING RESPONSIBILITY FOR FENESTRATION COMPLIANCE CONTACT PERSON:												
Contact Person: Joe Glassguy SAMPLE												
Company name and address: 453 Venice Way SAMPLE												
Phone: 916-555-5555 Fax: Signature: Joe Glassguy												